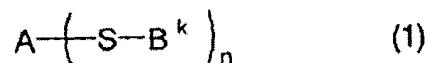


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CLM PTO 09/14/04

CLAIMS

1. An optical material comprising at least one aromatic sulfide compound represented by the following formula (1):



wherein

n stands for an integer of from 2 to 12,
k stands for an integer of from 1 to n,
A represents a substituted or unsubstituted, n-valent carbocyclic aromatic ring or heterocyclic aromatic ring, and
 B^1 to B^n each independently represent a substituted or unsubstituted, carbocyclic aromatic group or heterocyclic aromatic group.

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2. An optical material according to claim 1,
wherein in formula (1), n stands for an integer of from 2
to 4, and A is a substituted or unsubstituted,
heterocyclic aromatic ring.

3. An optical material according to claim 2,
wherein in formula (1), B¹ to Bⁿ each independently are a
substituted or unsubstituted phenyl group, a substituted
or unsubstituted pyrimidyl group, a substituted or
unsubstituted naphthyl group, a substituted or
unsubstituted thiienyl group, a substituted or
unsubstituted benzothiazolyl group, a substituted or
unsubstituted benzoxazolyl group, a substituted or
unsubstituted thiadiazolyl group, or a substituted or
unsubstituted thiazolyl group.

4. An optical material according to claim 2,
wherein in formula (1), A is a divalent heterocyclic
aromatic ring selected from a substituted or
unsubstituted thiophene ring, a substituted or
unsubstituted thiophene-1,1-dioxide ring, a substituted
or unsubstituted thiophenethiadiazole ring, a substituted
or unsubstituted thieno[3,2,-b]thiophene ring, a
substituted or unsubstituted triazine ring, or a
substituted or unsubstituted pyrimidine ring.

5. An optical material according to claim 4,
wherein in formula (1), B¹ to Bⁿ each independently are a
substituted or unsubstituted phenyl group, a substituted or
unsubstituted pyrimidyl group, a substituted or
unsubstituted naphthyl group, a substituted or
unsubstituted thienyl group, a substituted or
unsubstituted benzothiazolyl group, a substituted or
unsubstituted benzoxazolyl group, a substituted or
unsubstituted thiadiazolyl group, or a substituted or
unsubstituted thiazolyl group.

6. An optical material according to claim 2,
wherein in formula (1), A is a trivalent heterocyclic
aromatic ring selected from a substituted or
unsubstituted thiophene ring, a substituted or

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unsubstituted triazine ring, or a substituted or
unsubstituted pyrimidine ring.

7. An optical material according to claim 6,
wherein in formula (1), B¹ to Bⁿ each independently are a
substituted or unsubstituted phenyl group, a substituted
or unsubstituted pyrimidyl group, a substituted or
unsubstituted naphthyl group, a substituted or
unsubstituted thienyl group, a substituted or
unsubstituted benzothiazolyl group, a substituted or
unsubstituted benzoxazolyl group, a substituted or
unsubstituted thiadiazolyl group, or a substituted or
unsubstituted thiazolyl group.

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8. An optical material according to claim 2,
wherein in formula (1), A is a tetravalent heterocyclic
aromatic ring selected from a substituted or
unsubstituted thiophene ring or a substituted or
unsubstituted thieno[3,2,-b]thiophene ring.

9. An optical material according to claim 8,
wherein in formula (1), B¹ to Bⁿ each independently are a
substituted or unsubstituted phenyl group, a substituted
or unsubstituted pyrimidyl group, a substituted or
unsubstituted naphthyl group, a substituted or
unsubstituted thienyl group, a substituted or
unsubstituted benzothiazolyl group, a substituted or
unsubstituted benzoxazolyl group, a substituted or
unsubstituted thiadiazolyl group, or a substituted or

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unsubstituted thiazolyl group.

10. An optical material according to claim 1,
wherein in formula (1), n stands for an integer of from 2
to 6, and A is a substituted or unsubstituted,
carbocyclic aromatic ring.

11. An optical material according to claim 10,
wherein in formula (1), B¹ to Bⁿ each independently are a
substituted or unsubstituted phenyl group, a substituted
or unsubstituted pyrimidyl group, a substituted or
unsubstituted naphthyl group, a substituted or
unsubstituted thiaryl group, a substituted or
unsubstituted benzothiazolyl group, a substituted or
unsubstituted benzoxazolyl group, a substituted or
unsubstituted thiadiazolyl group, or a substituted or
unsubstituted thiazolyl group.

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12. An optical material according to claim 10, wherein in formula (1), A is a divalent carbocyclic aromatic ring selected from a substituted or unsubstituted benzene ring, a substituted or unsubstituted naphthalene ring, a substituted or unsubstituted fluorene ring, or a substituted or unsubstituted biphenyl group.

13. An optical material according to claim 12, wherein in formula (1), B¹ to Bⁿ each independently are a substituted or unsubstituted phenyl group, a substituted or unsubstituted pyrimidyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted thiienyl group, a substituted or unsubstituted benzothiazolyl group, a substituted or unsubstituted benzoxazolyl group, a substituted or unsubstituted thiadiazolyl group, or a substituted or unsubstituted thiazolyl group.

14. An optical material according to claim 10, wherein in formula (1), A is a trivalent carbocyclic aromatic ring selected from a substituted or unsubstituted benzene ring or a substituted or unsubstituted fluorene ring.

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15. An optical material according to claim 14, wherein in formula (1), B^1 to B^n each independently are a substituted or unsubstituted phenyl group, a substituted or unsubstituted pyrimidyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted thiienyl group, a substituted or unsubstituted benzothiazolyl group, a substituted or unsubstituted benzoxazolyl group, a substituted or unsubstituted thiadiazolyl group, or a substituted or unsubstituted thiazolyl group.

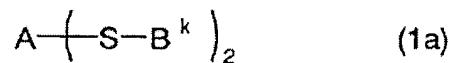
16. An optical material according to claim 10, wherein in formula (1), A is a tetravalent carbocyclic aromatic ring selected from a substituted or unsubstituted benzene ring or a substituted or unsubstituted biphenyl group.

17. An optical material according to claim 16, wherein in formula (1), B^1 to B^n each independently is a substituted or unsubstituted phenyl group, a substituted or unsubstituted pyrimidyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted thiaryl group, a substituted or unsubstituted benzothiazolyl group, a substituted or unsubstituted benzoxazolyl group, a substituted or unsubstituted thiadiazolyl group, or a substituted or unsubstituted thiazolyl group.

18. (Amended) An optical material according to claim 1, which is a polymer optical fiber material.

20. An optical part according to claim 19, which is a GI polymer optical fiber.

21. An aromatic sulfide compound represented by the following formula (1a):



wherein

k stands for an integer of from 1 to 2,

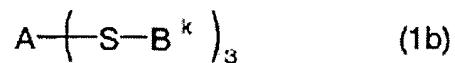
A represents a divalent carbocyclic aromatic ring or heterocyclic aromatic ring selected from a substituted or unsubstituted benzene ring, a substituted or unsubstituted naphthalene ring, a substituted or

unsubstituted fluorene ring, a substituted or unsubstituted biphenyl ring, a substituted or unsubstituted thiophene ring, a substituted or unsubstituted thiophene-1,1-dioxide ring, a substituted or unsubstituted thiophenethiadiazole ring, a substituted or unsubstituted thieno[3,2,-b]thiophene ring, a substituted or unsubstituted triazine ring, or a substituted or unsubstituted pyrimidine ring, and

B¹ to Bⁿ each independently represent a carbocyclic aromatic group or heterocyclic aromatic group selected from a substituted or unsubstituted phenyl group, a substituted or unsubstituted pyrimidyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted thienyl group, a substituted or unsubstituted benzothiazolyl group, a substituted or unsubstituted benzoxazolyl group, a substituted or unsubstituted thiadiazolyl group, or a substituted or unsubstituted thiazolyl group.

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22. An aromatic sulfide compound represented by
the following formula (1b):



wherein

k stands for an integer of from 1 to 3,

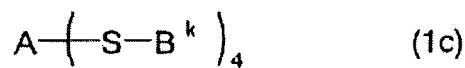
A represents a trivalent carbocyclic aromatic ring
or heterocyclic aromatic ring selected from a substituted

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or unsubstituted benzene ring, a substituted or unsubstituted fluorene ring, a substituted or unsubstituted thiophene ring, a substituted or unsubstituted triazine ring, or a substituted or unsubstituted pyrimidine ring, and

B¹, B² and B³ each independently represent a carbocyclic aromatic group or heterocyclic aromatic group selected from a substituted or unsubstituted phenyl group, a substituted or unsubstituted pyrimidyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted thienyl group, a substituted or unsubstituted benzothiazolyl group, a substituted or unsubstituted benzoxazolyl group, a substituted or unsubstituted thiadiazolyl group, or a substituted or unsubstituted thiazolyl group.

23. An aromatic sulfide compound represented by the following formula (1c):



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wherein

k stands for an integer of from 1 to 4,

A represents a carbocyclic aromatic ring or heterocyclic aromatic ring selected from a substituted or unsubstituted benzene ring, a substituted or unsubstituted biphenyl ring, a substituted or unsubstituted thiophene ring, a substituted or unsubstituted thieno[3,2,-b]thiophene ring, and

B¹, B², B³ and B⁴ each independently represent a carbocyclic aromatic group or heterocyclic aromatic group selected from a substituted or unsubstituted phenyl group, a substituted or unsubstituted pyrimidyl group, a substituted or unsubstituted naphthyl group, a substituted or unsubstituted thienyl group, a substituted or unsubstituted benzothiazolyl group, a substituted or unsubstituted benzoxazolyl group, a substituted or unsubstituted thiadiazolyl group, or a substituted or unsubstituted thiazolyl group.